



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
In re the Application of

Tohru HAYASHI

Application No.: 10/724,186

Filed: December 1, 2003

Docket No.: 117918

For: IMPACT RESISTANT STRUCTURE FOR THE HELICOPTER AND ENERGY  
ABSORBER USED FOR THE SAME

INFORMATION DISCLOSURE STATEMENT

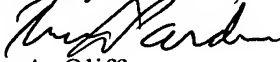
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the references 7-10, 15-18 and 20 is discussed in the present specification.
- ☒ 3. English-language Abstracts of the non-English language references are attached hereto.
- ☒ 4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy. See References 15-18.

Respectfully submitted,

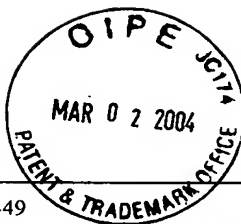
  
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Sheet 1 of 1Form PTO-1449  
(REV. 8-83)US Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
117918APPLICATION NO.  
10/724,186

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)  
Tohru HAYASHIFILING DATE  
December 1, 2003

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE       | NAME             | CLASS | SUB<br>CLASS |
|---------------------|----|-----------------|------------|------------------|-------|--------------|
|                     | 1  | 20020043809     | 04/18/2002 | Vismara          |       |              |
|                     | 2  | 5,366,181       | 11/22/1994 | Hansen           |       |              |
|                     | 3  | 6,427,945 B1    | 08/06/2002 | Bansemir         |       |              |
|                     | 4  | 5,547,148       | 08/20/1996 | Del Monte et al. |       |              |
|                     | 5  | 5,542,626       | 08/06/1996 | Beuck et al.     |       |              |
|                     | 6  | 5,451,015       | 09/19/1995 | Cronkhite et al. |       |              |
|                     | 7  | 5,069,318       | 12/03/1991 | Kulesha et al.   |       |              |
|                     | 8  | 5,024,399       | 06/18/1991 | Barquet et al.   |       |              |
|                     | 9  | 5,746,537       | 05/05/1998 | Kellas et al.    |       |              |
|                     | 10 | 4,593,870       | 06/10/1986 | Cronkhite et al. |       |              |
|                     | 11 | 4,531,695       | 07/30/1985 | Swinfield        |       |              |
|                     | 12 | 4,336,868       | 06/29/1982 | Wilson et al.    |       |              |
|                     | 13 | 3,997,133       | 12/14/1976 | Fagan            |       |              |
|                     | 14 | 3,664,463       | 05/23/1972 | Kueth            |       |              |

## 15 FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER                  | DATE       | COUNTRY | CLASS | SUB<br>CLASS |
|--|----|----------------------------------|------------|---------|-------|--------------|
|  | 15 | JP A 2000-192432 w/abst & trans. | 07/11/2000 | Japan   |       |              |
|  | 16 | JP A 2001-153169 w/abst & trans. | 06/08/2001 | Japan   |       |              |
|  | 17 | JP A 2002-286066 w/abst & trans. | 10/03/2002 | Japan   |       |              |
|  | 18 | JP A 2002-036413 w/abst & trans. | 02/05/2002 | Japan   |       |              |
|  | 19 | DE 44 25 829 C1 w/abst.          | 10/12/1995 | Germany |       |              |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

|    |  |
|----|--|
| 20 | Richard L. BOITNOTT et al., "Full-Scale Crash Test of the Sikorsky Advanced Composite Airframe Program Helicopter"<br>US Army Research Laboratory, Vehicle Technology Directorate, MRJ Technology Solutions, Fairfax, VA |
|----|--|

EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: March 2, 2004